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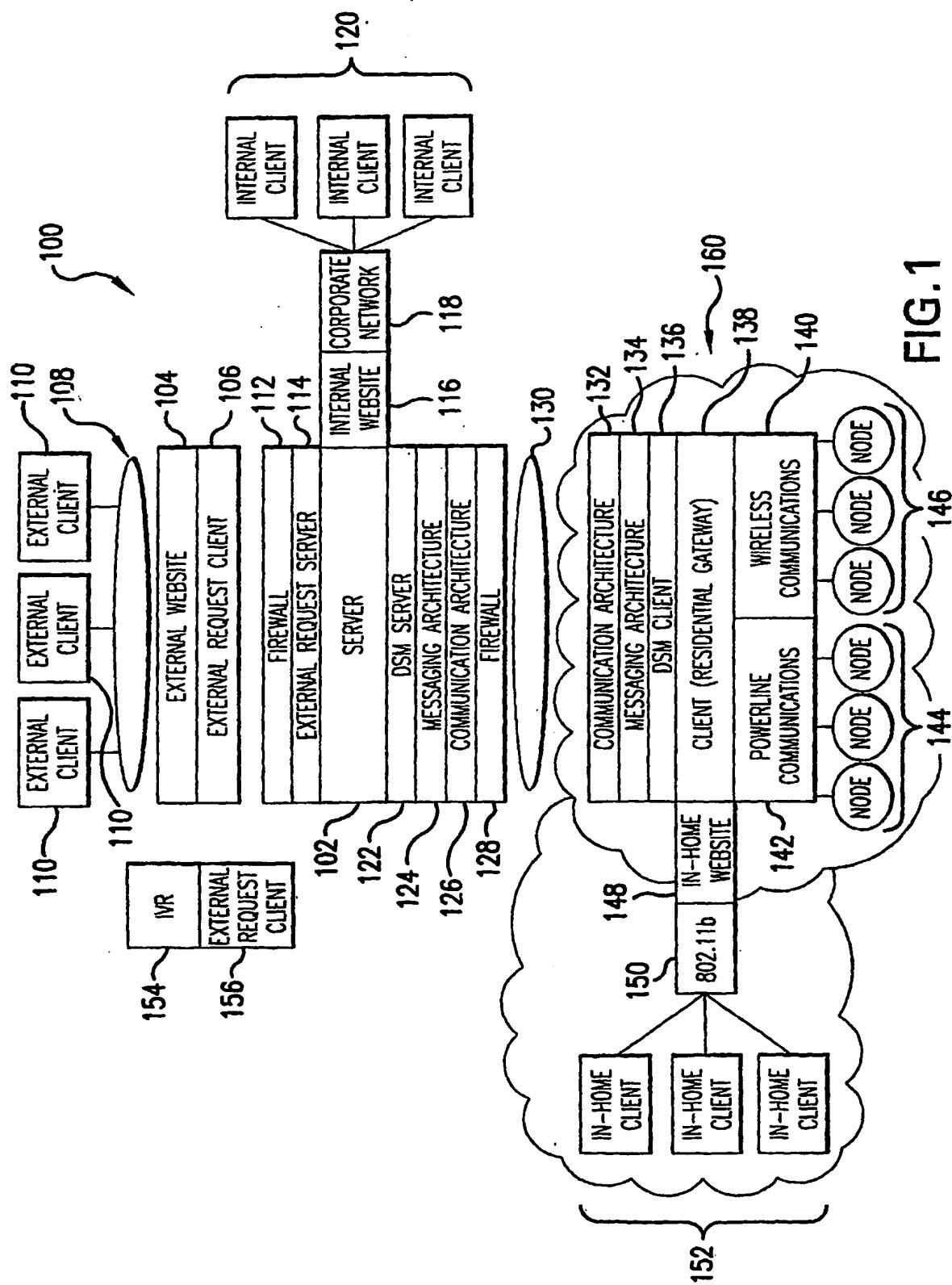


FIG. 1

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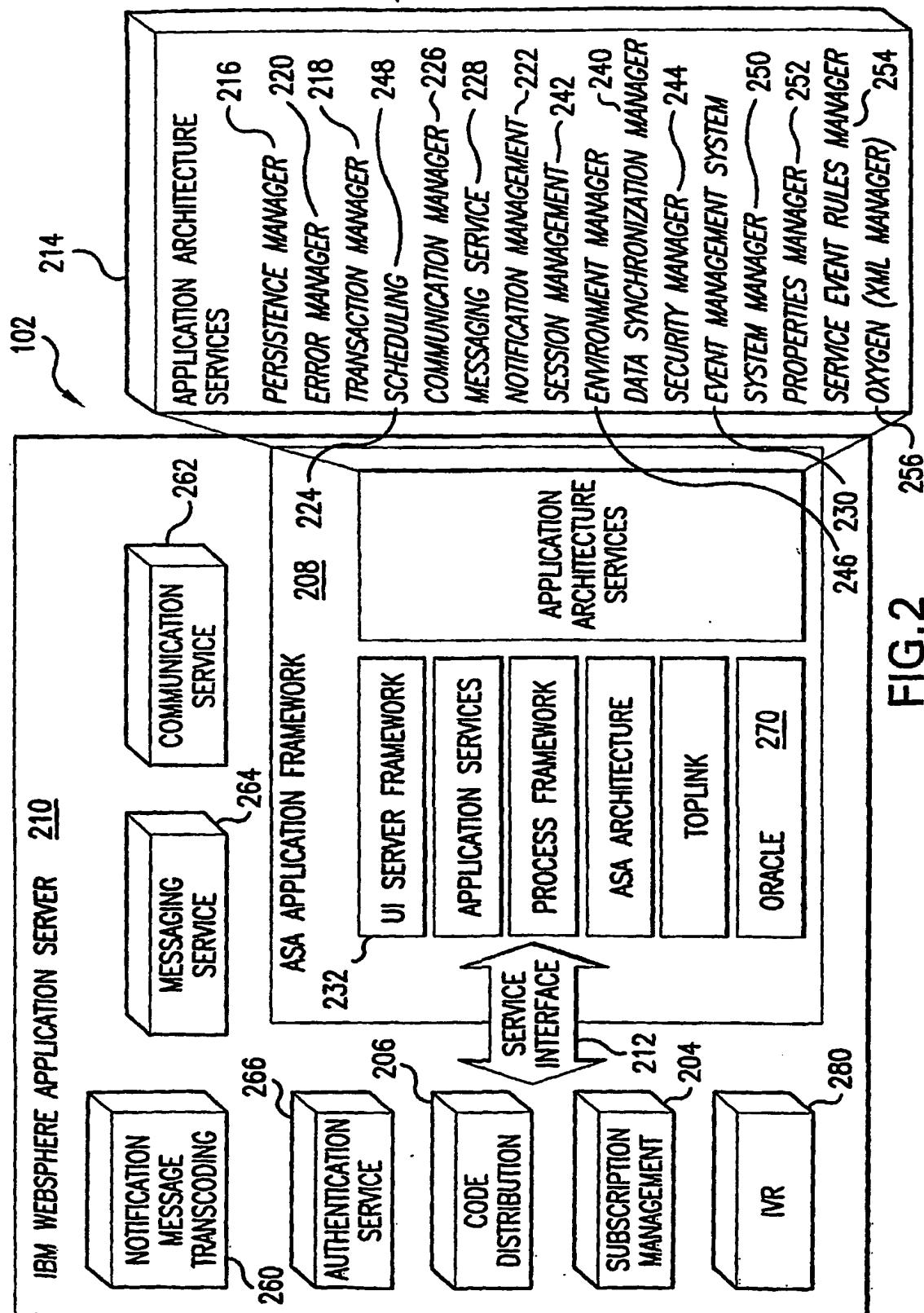


FIG. 2

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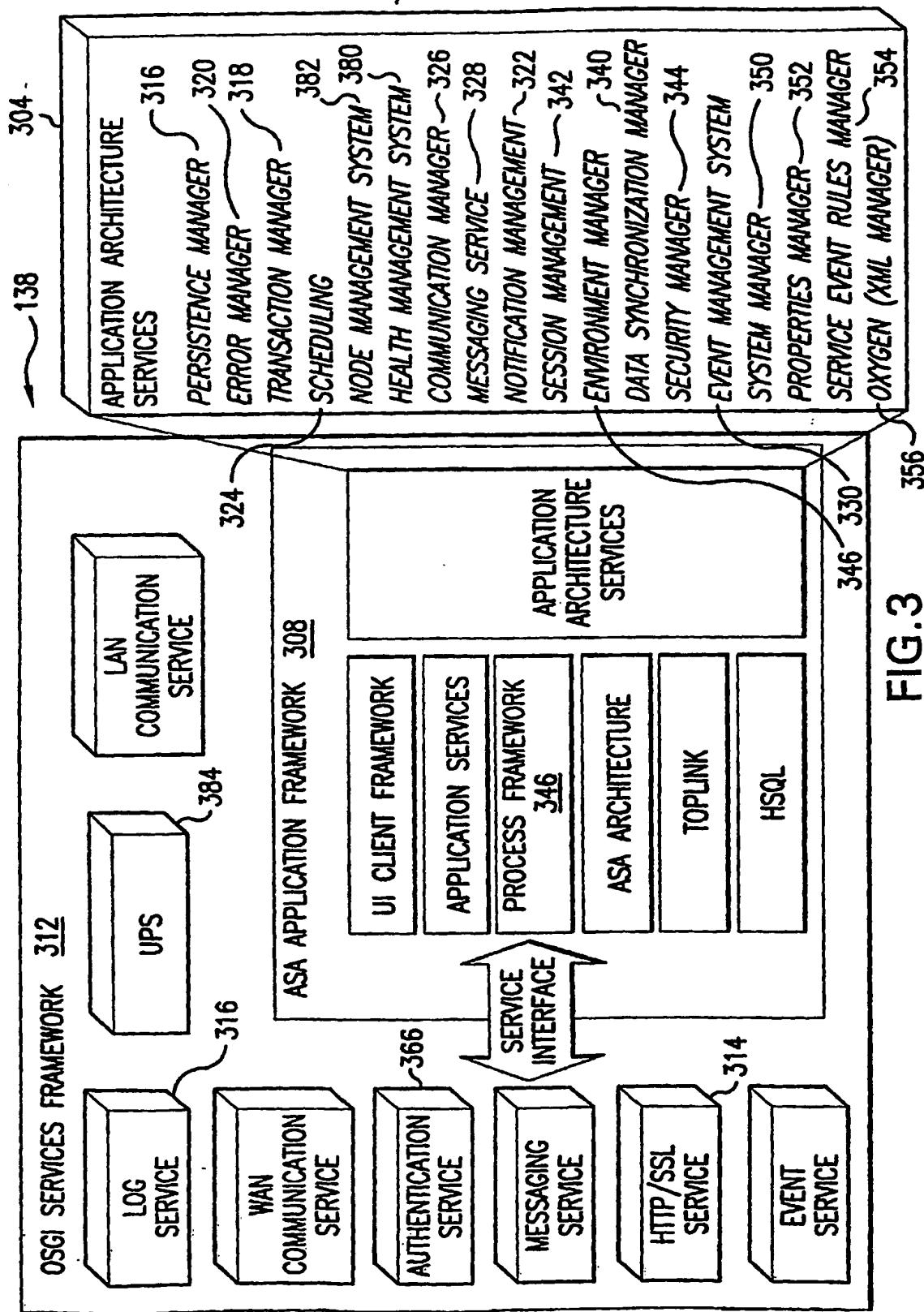
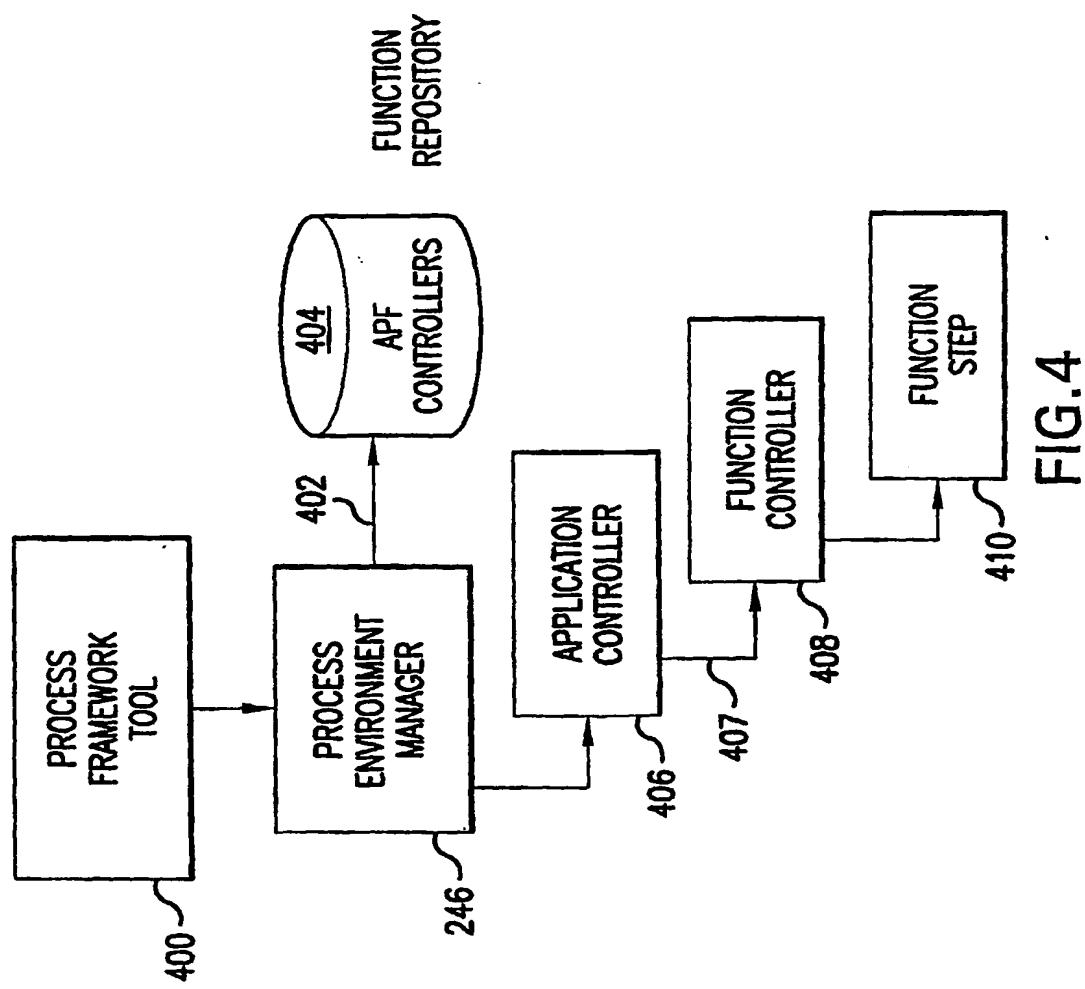


FIG. 3

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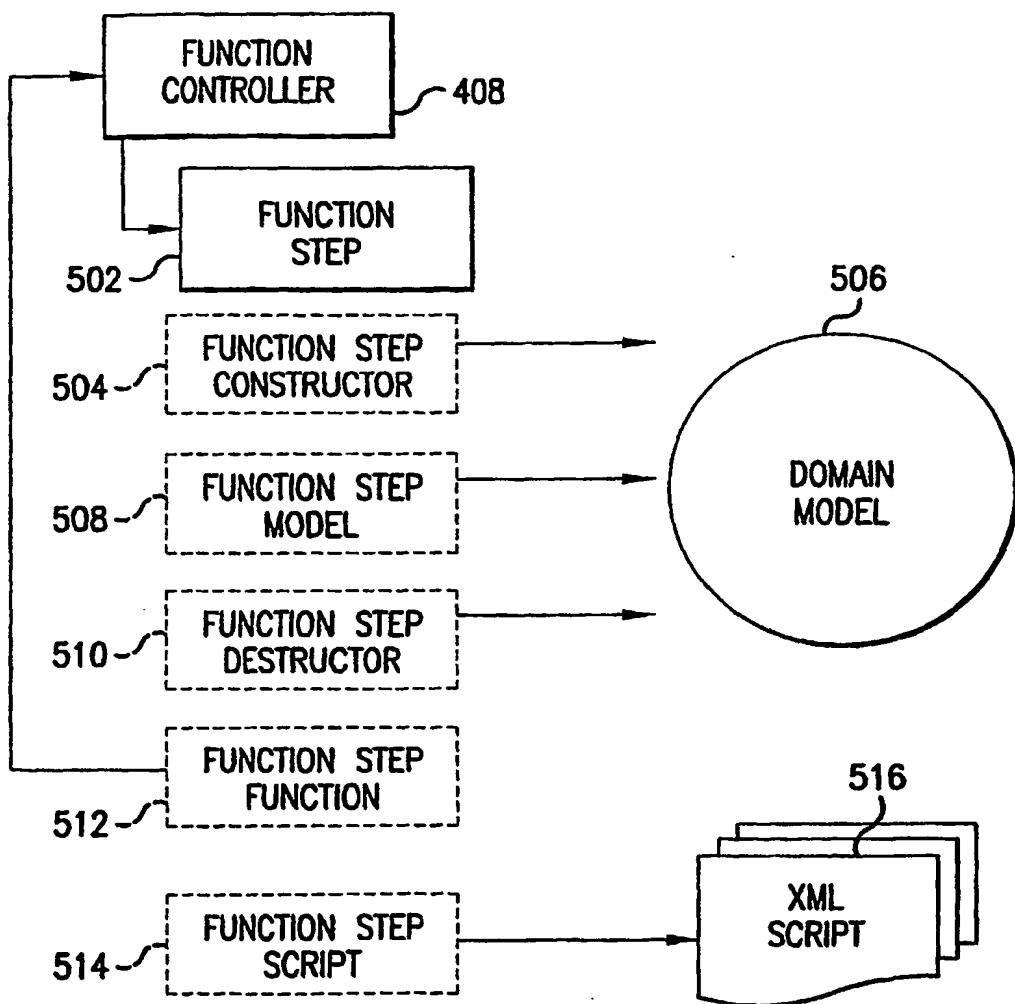
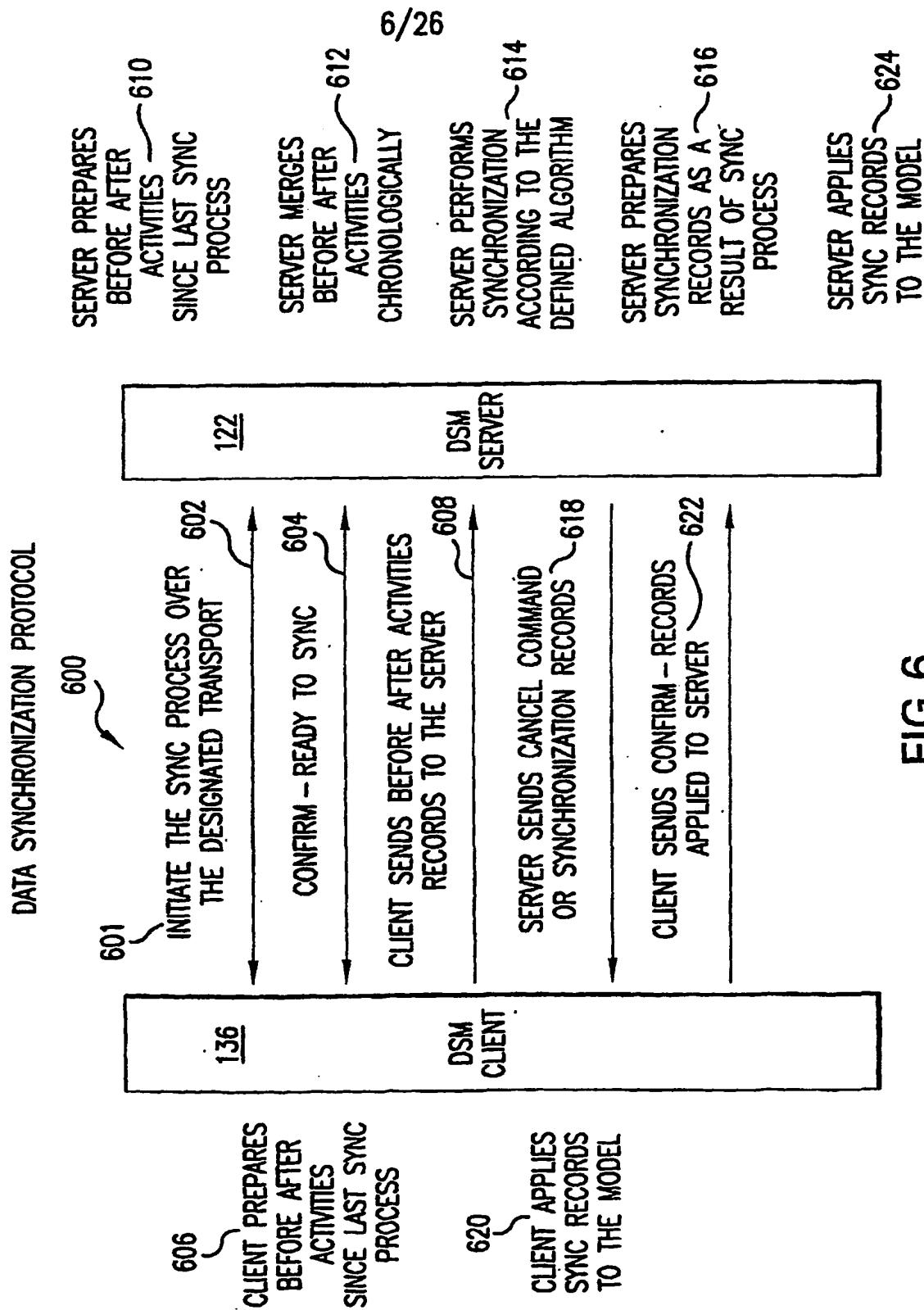


FIG.5

**FIG. 6**

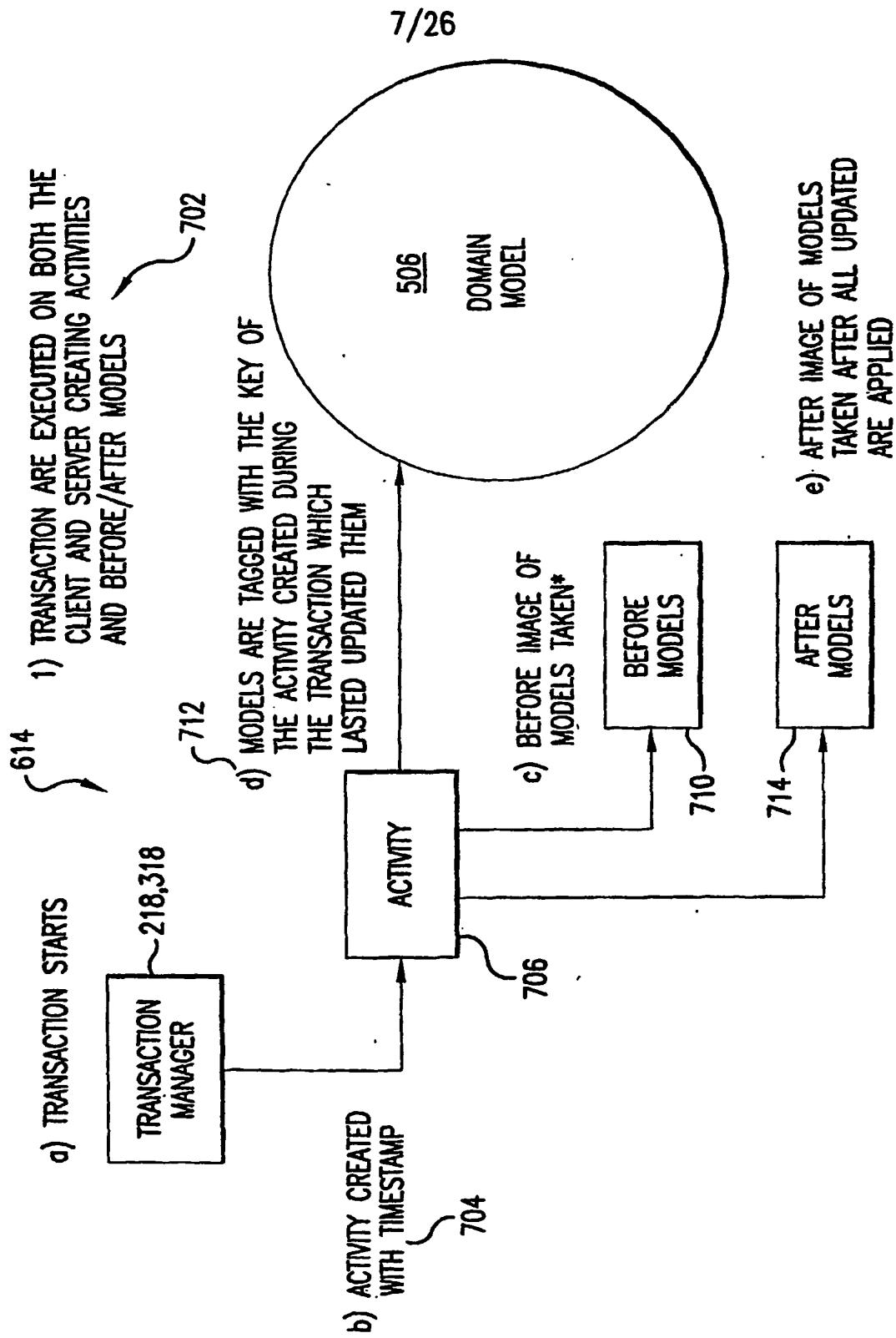
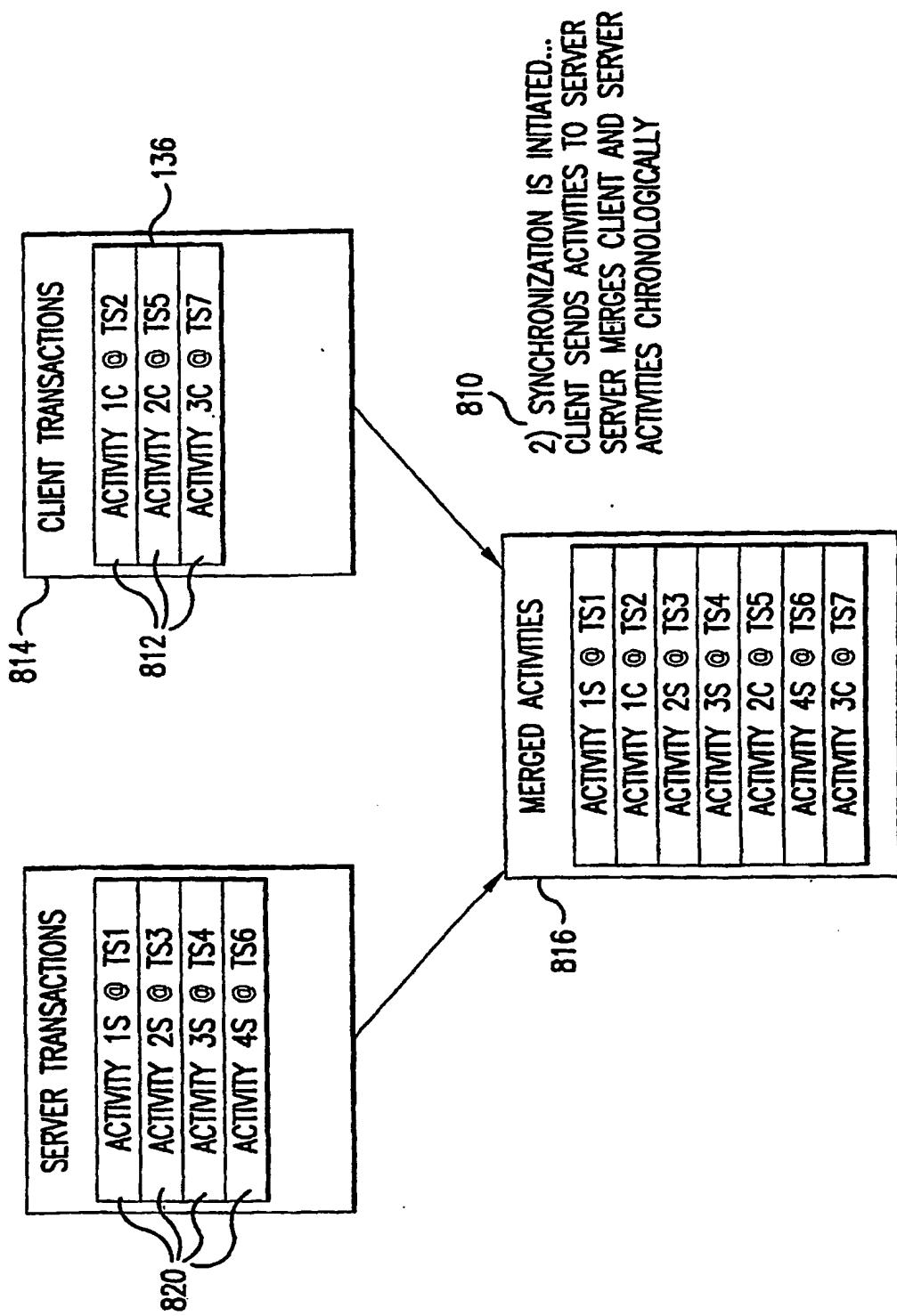


FIG. 7

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*TS = TIMESTAMP

FIG. 8

REV2 - DATA SYNCHRONIZATION ALGORITHM - CONT.

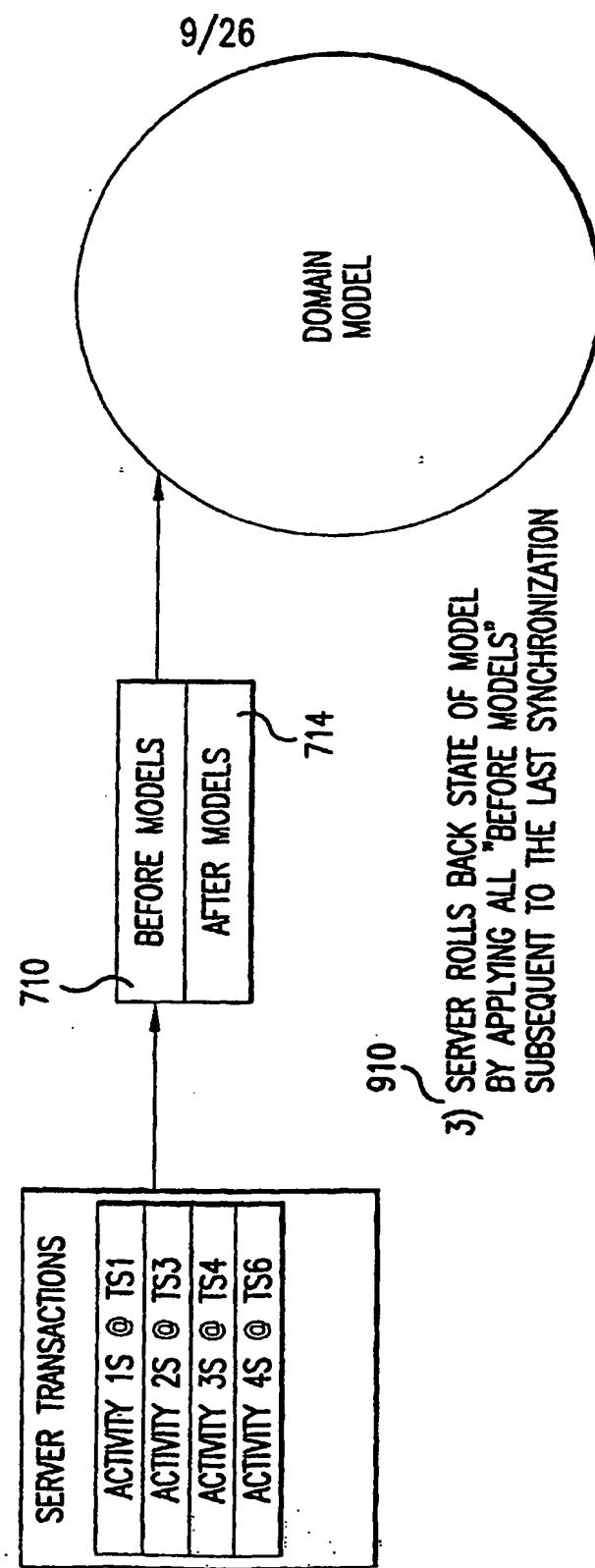
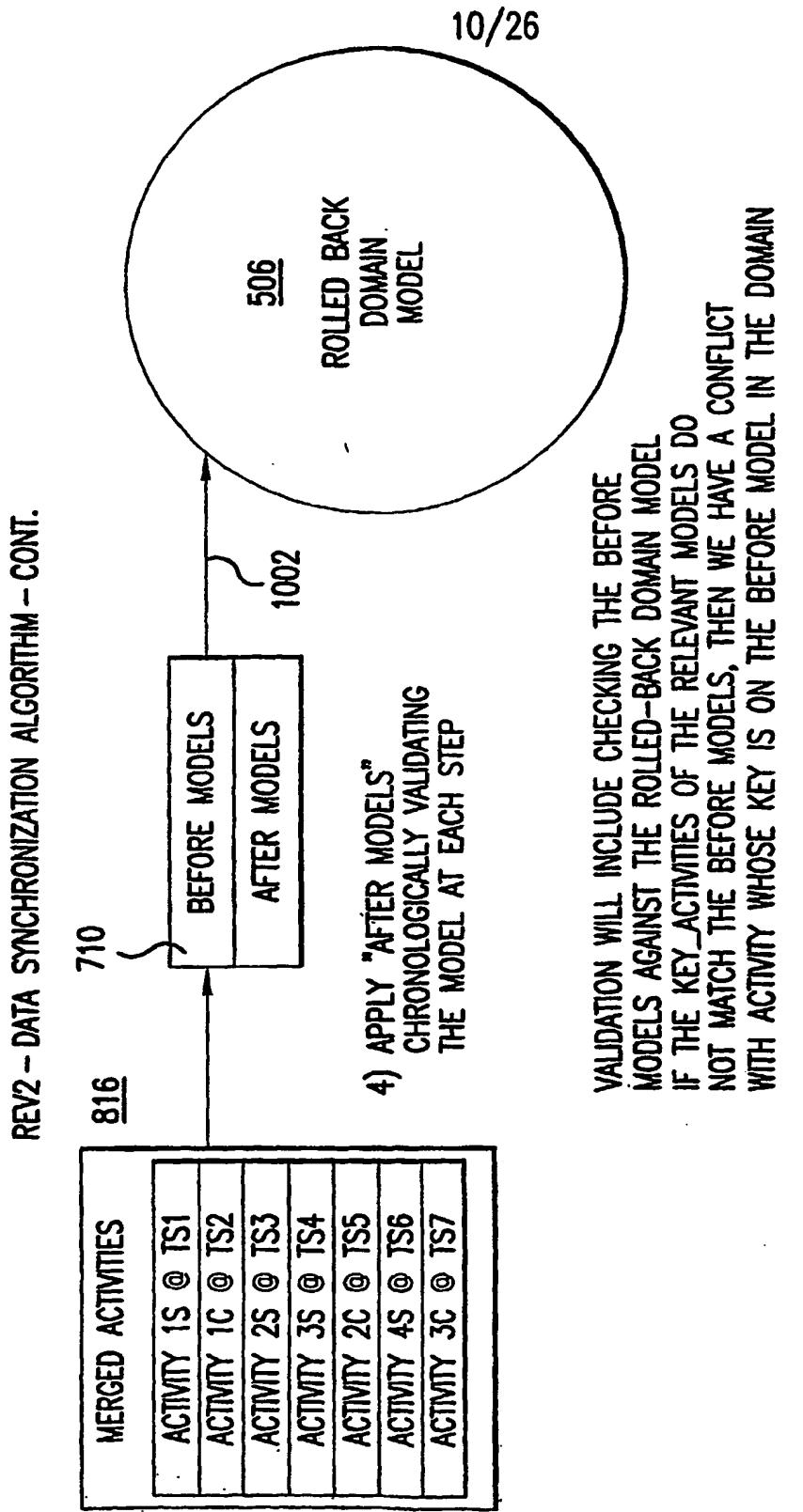


FIG.9

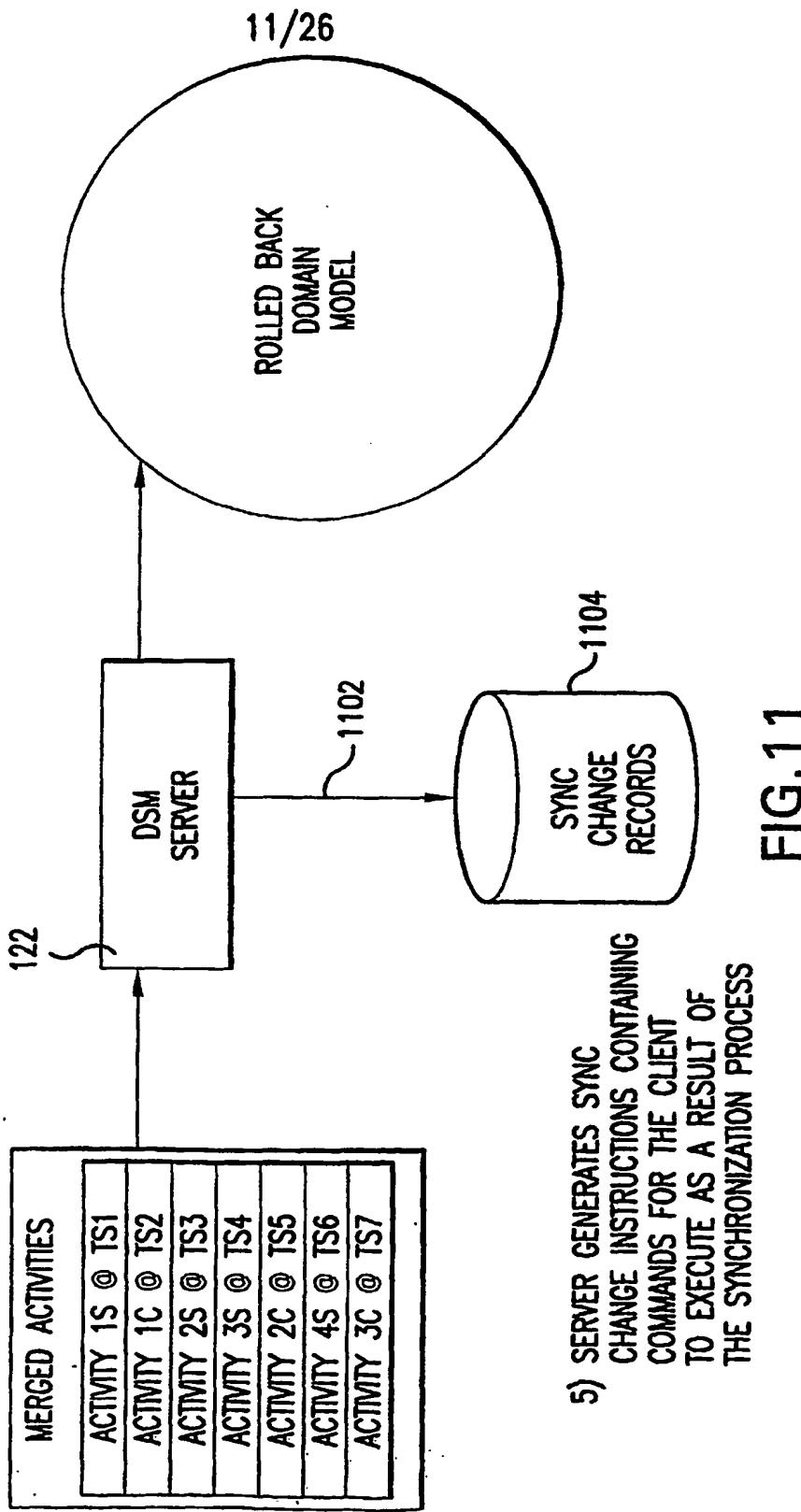


VALIDATION WILL INCLUDE CHECKING THE BEFORE MODELS AGAINST THE ROLLED-BACK DOMAIN MODEL. IF THE KEY_ACTIVITIES OF THE RELEVANT MODELS DO NOT MATCH THE BEFORE MODELS, THEN WE HAVE A CONFLICT WITH ACTIVITY WHOSE KEY IS ON THE BEFORE MODEL IN THE DOMAIN

VALIDATION WITH ALSO HAVE TO BE DEVELOPED FOR INSERTS ON BOTH SIDES, NO DUPLICATE KEYS WILL BE ALLOWED UPDATE ACTIVITIES ACCORDINGLY (e.g. CONFLICT FOUND WITH ACTIVITY xxx)

FIG. 10

REV2 - DATA SYNCHRONIZATION ALGORITHM - CONT.

**FIG. 11**

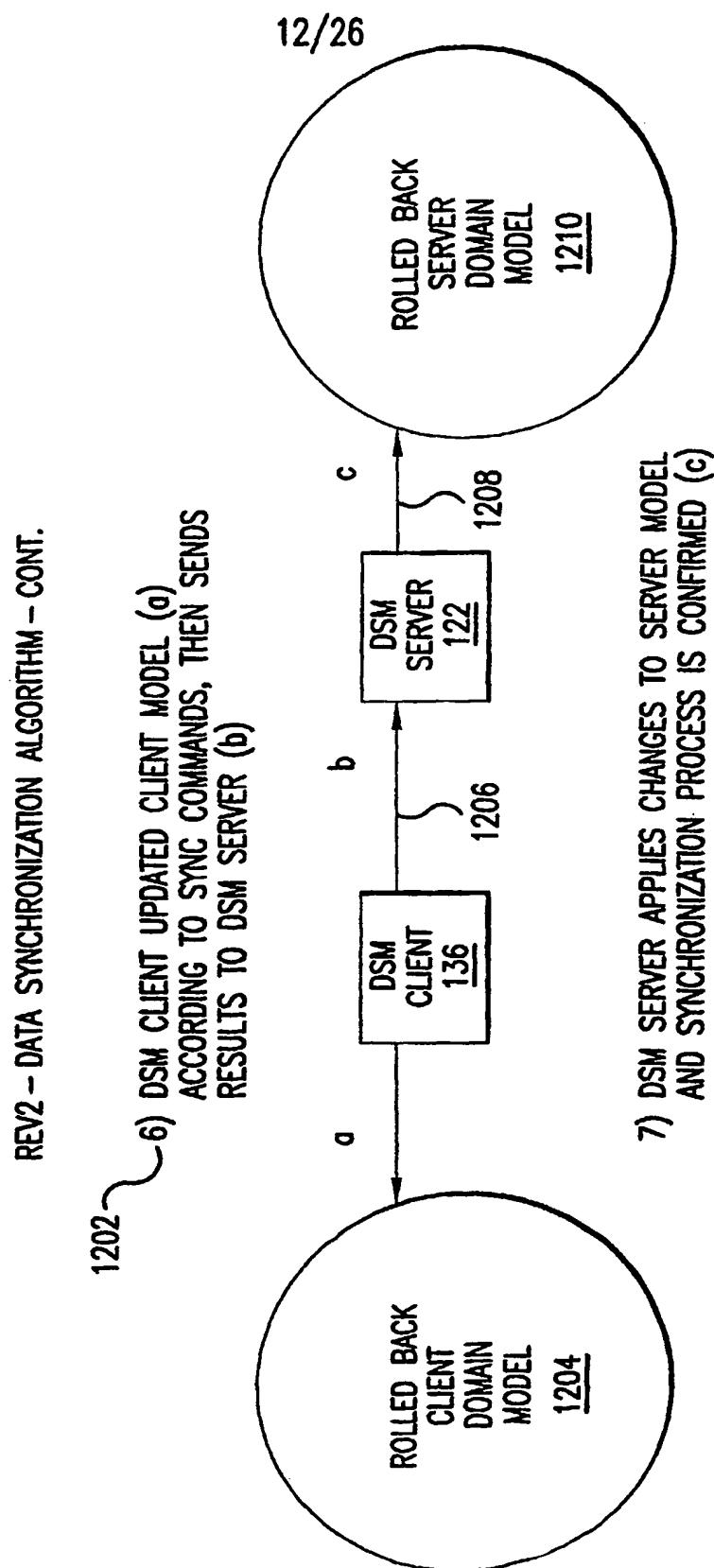


FIG. 12

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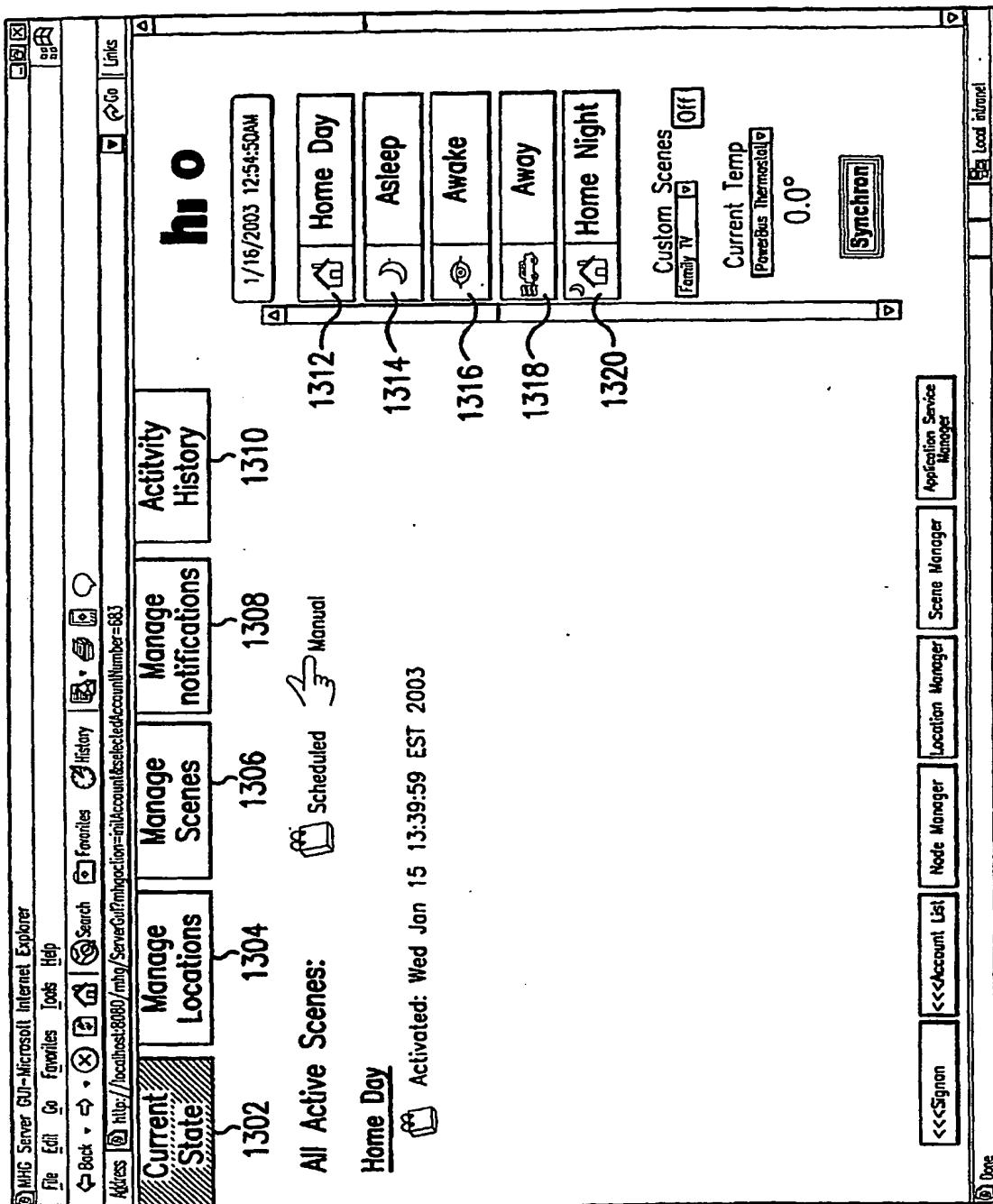


FIG. 13

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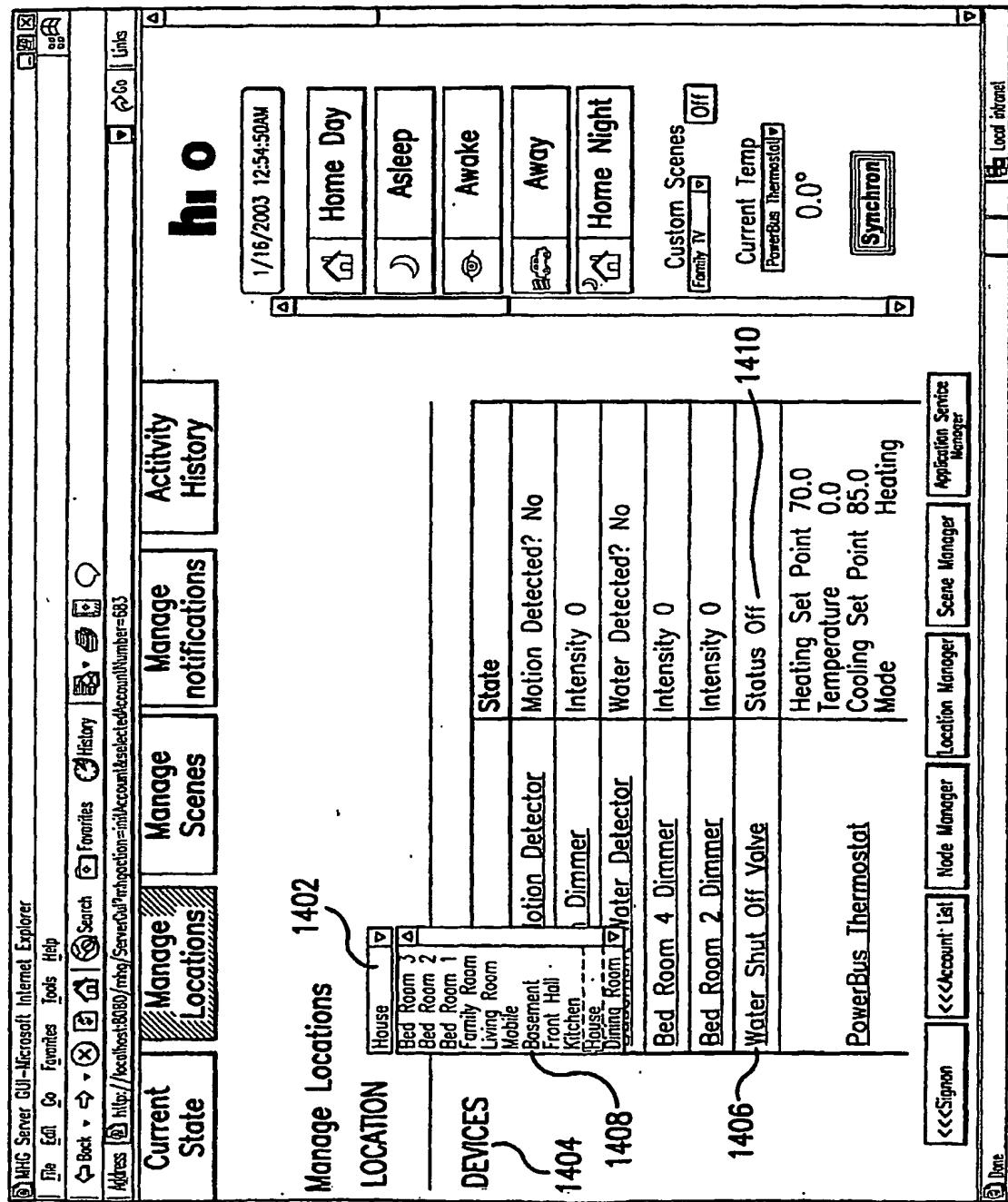


FIG. 14

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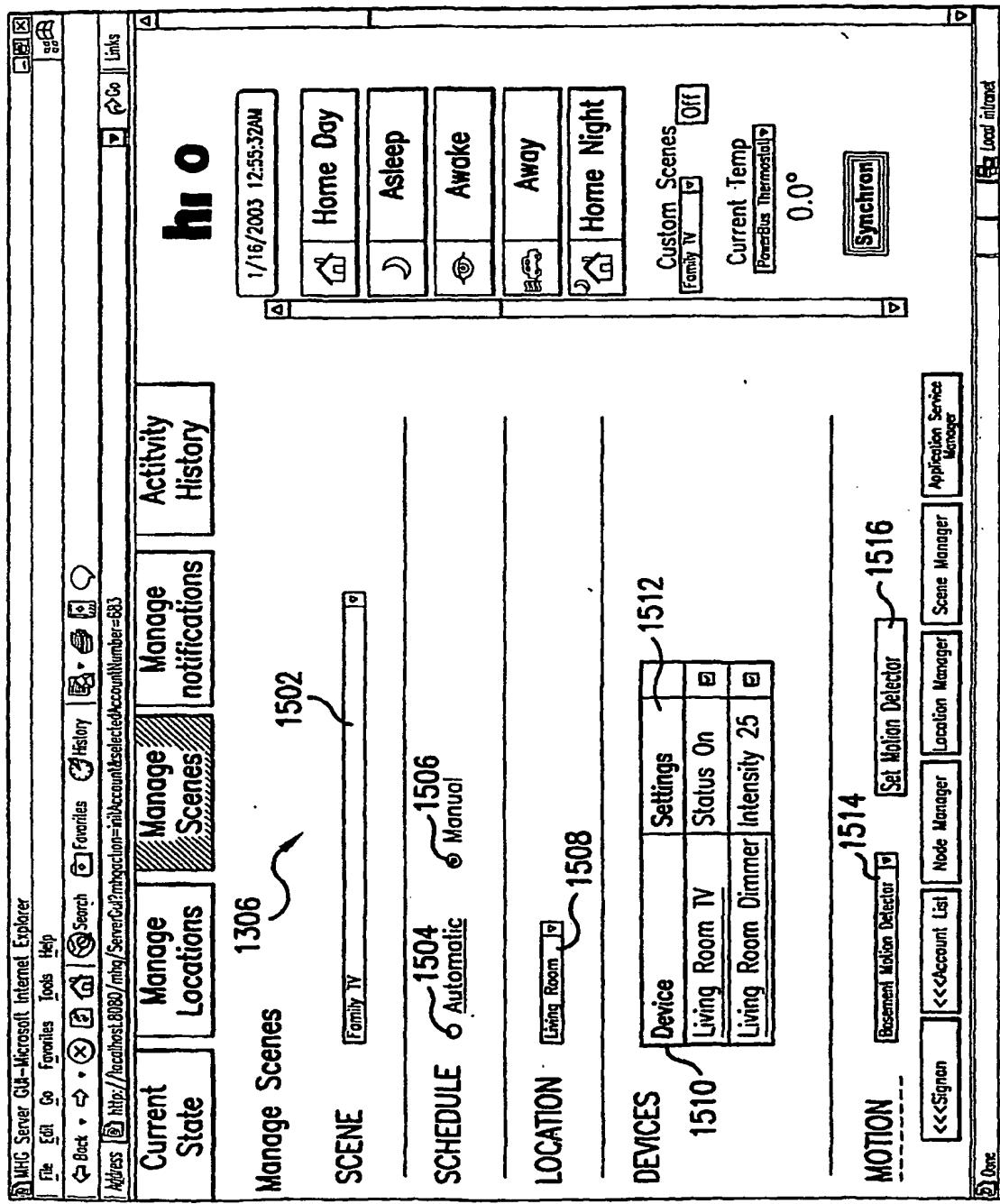


FIG. 15

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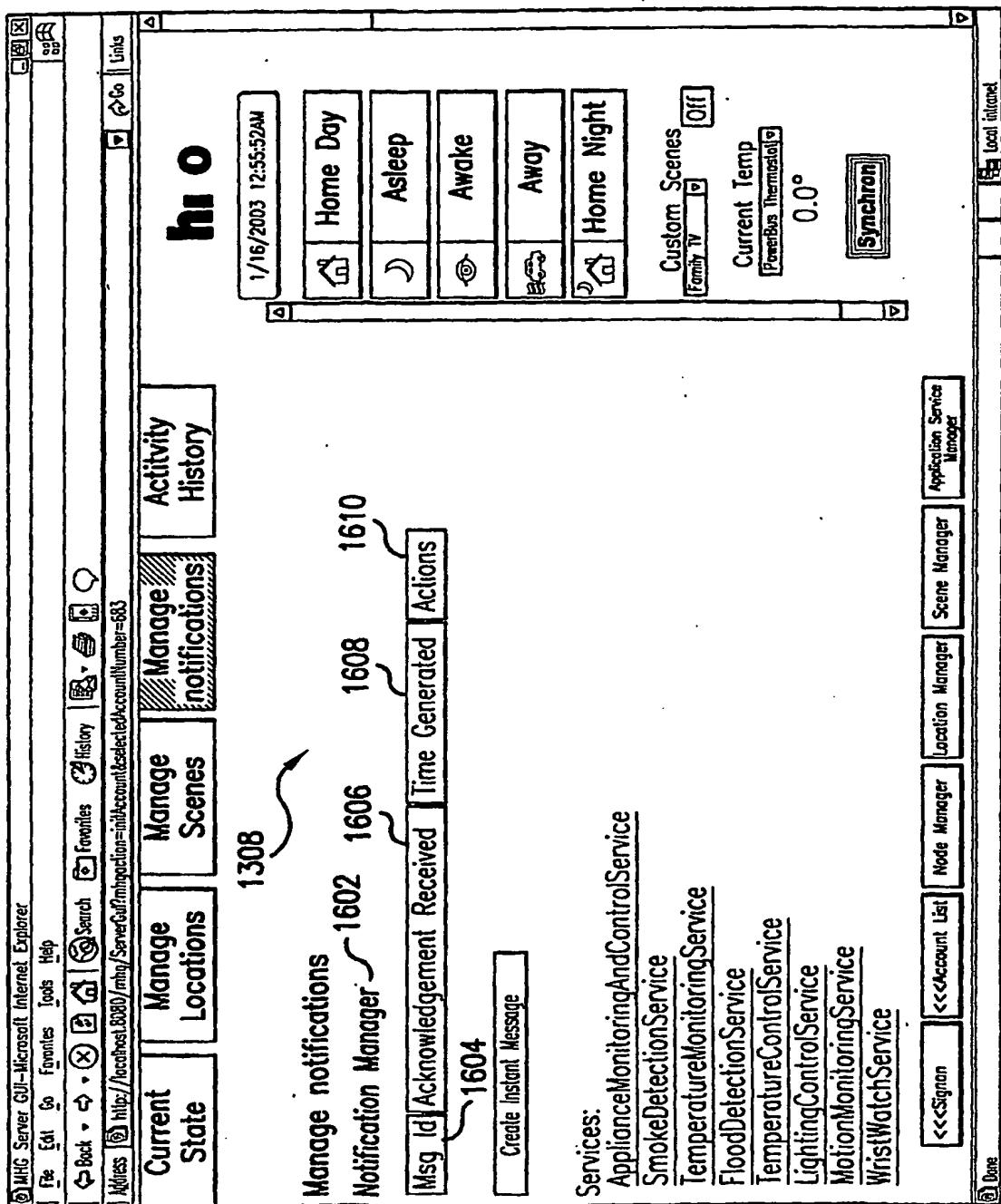


FIG. 16

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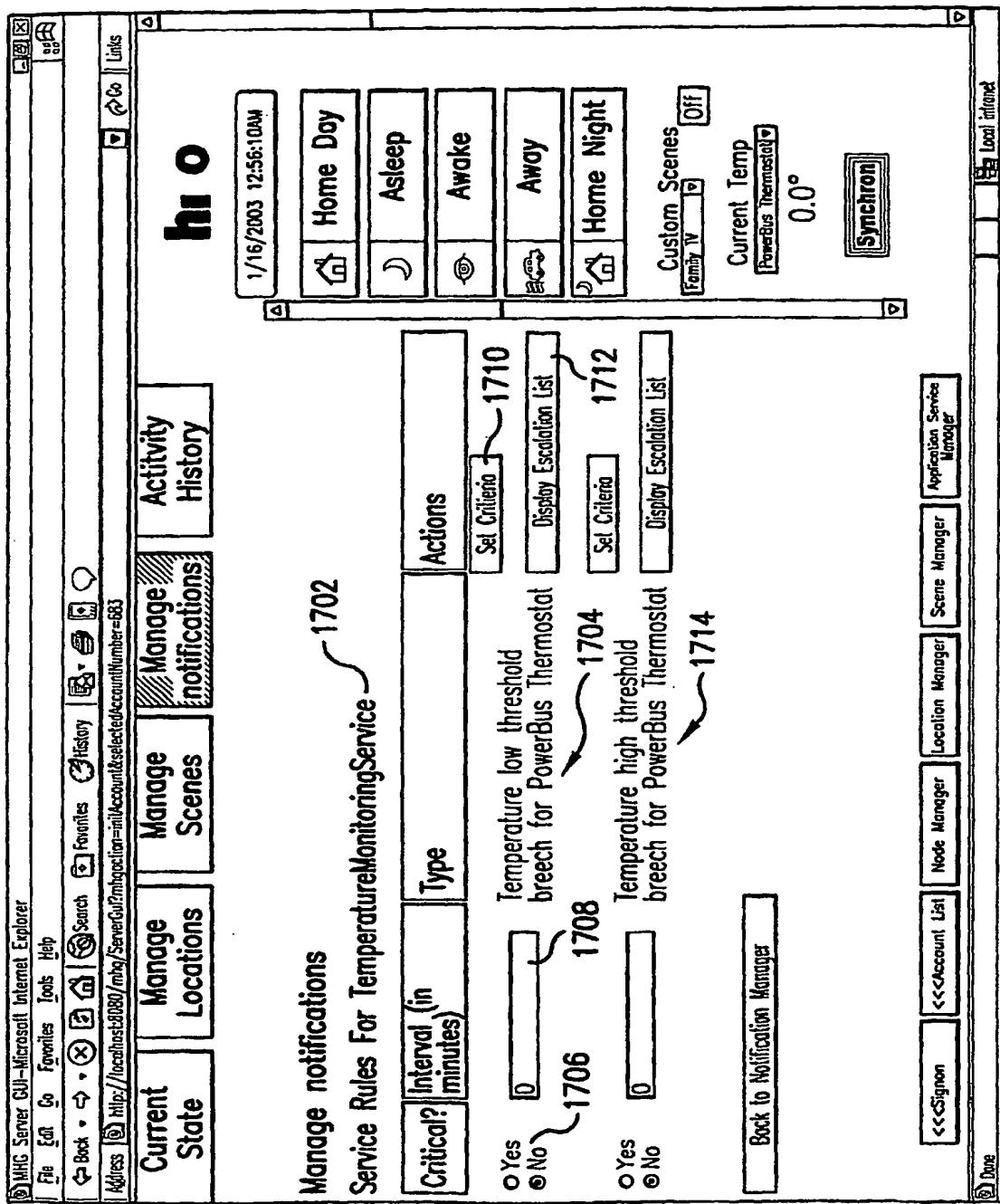


FIG. 17

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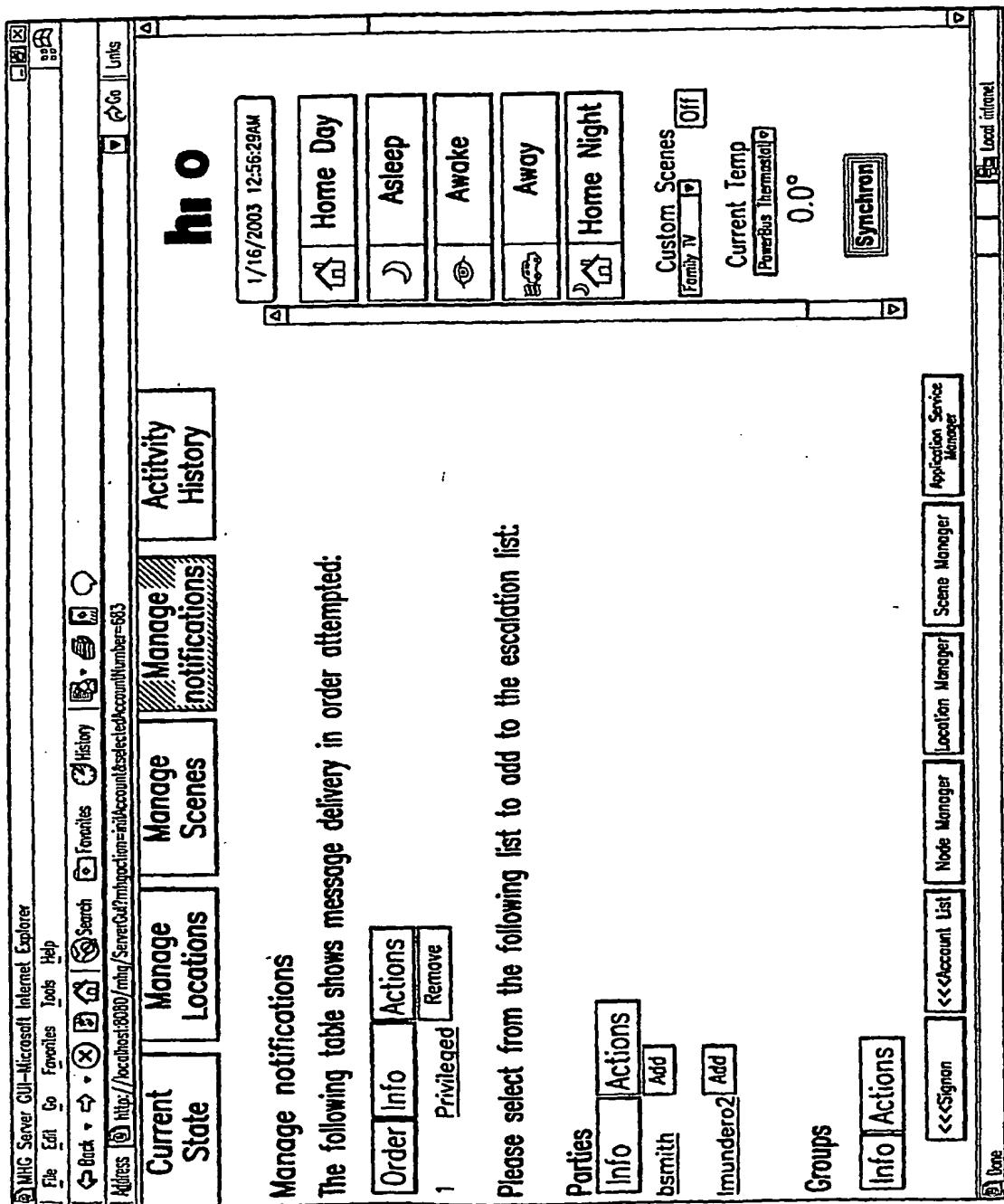


FIG. 18

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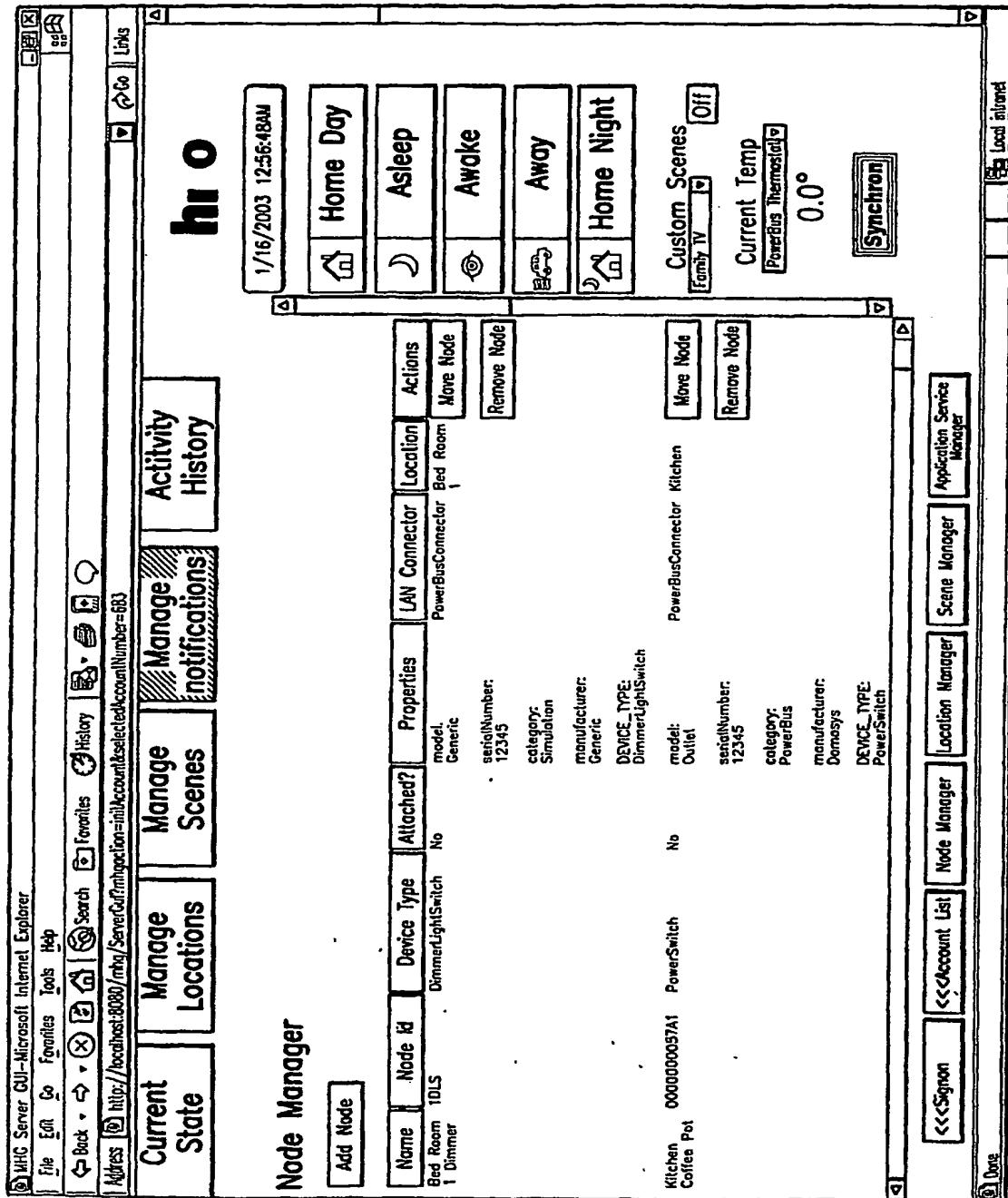


FIG. 19

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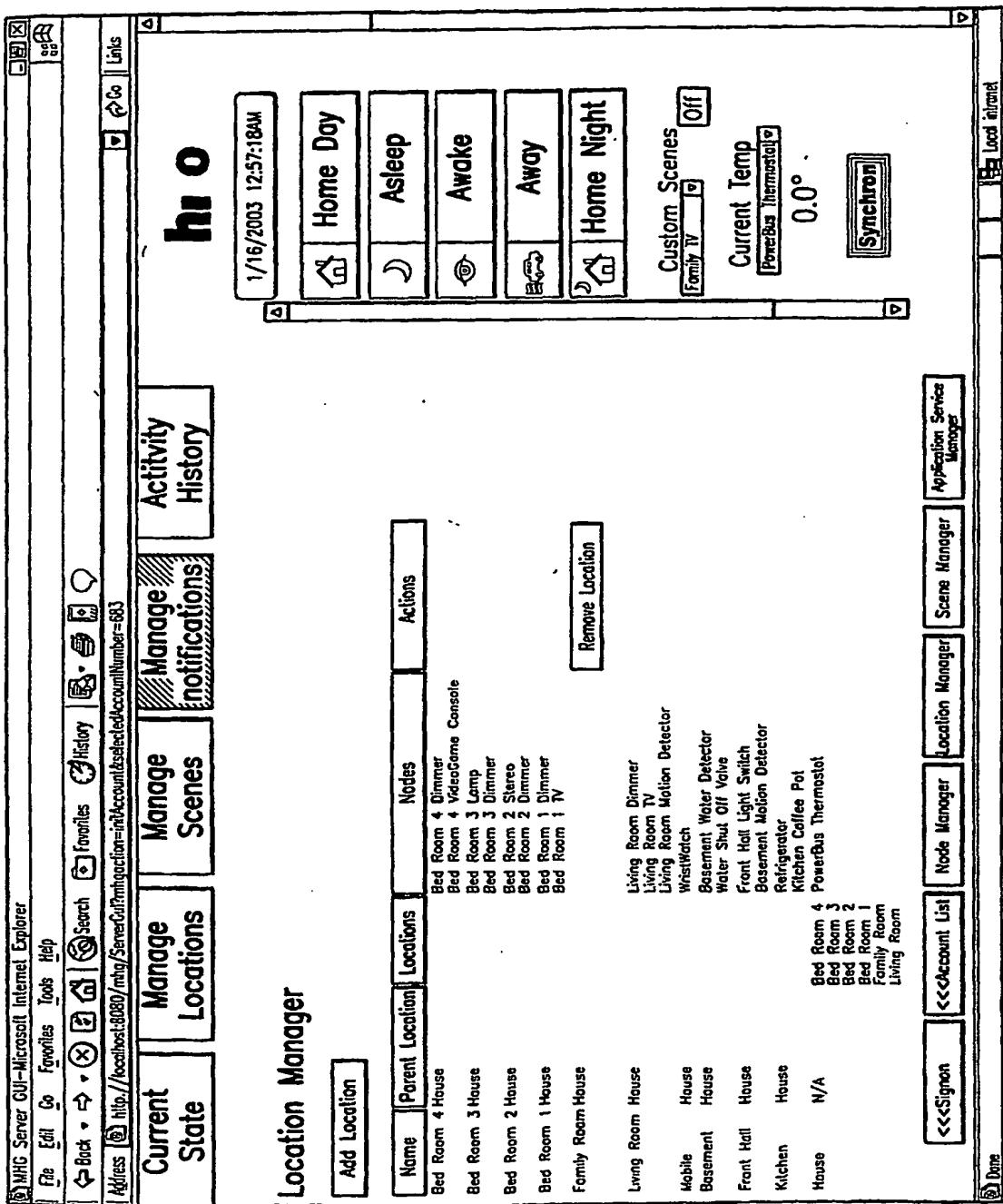


FIG. 20

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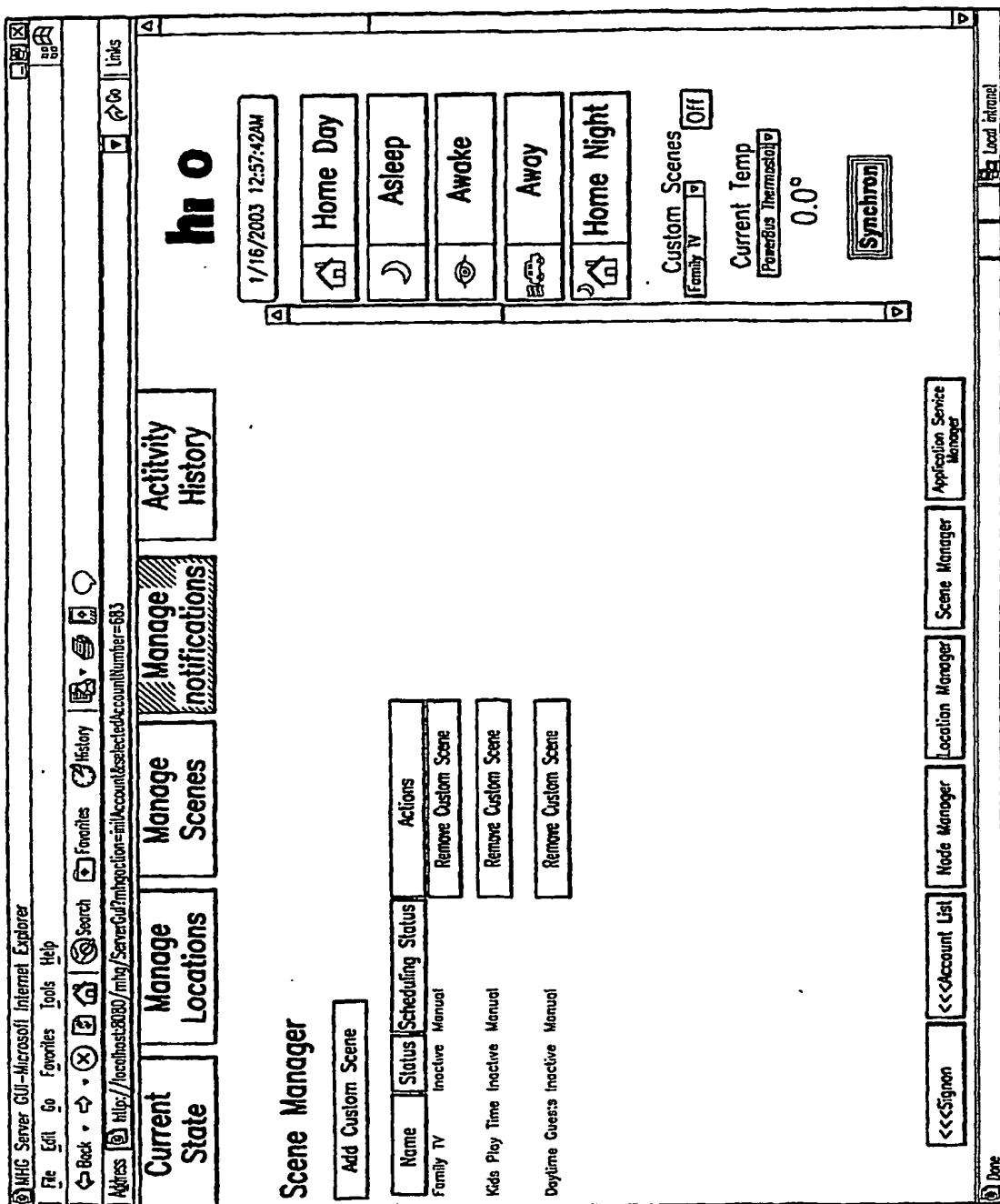


FIG. 21

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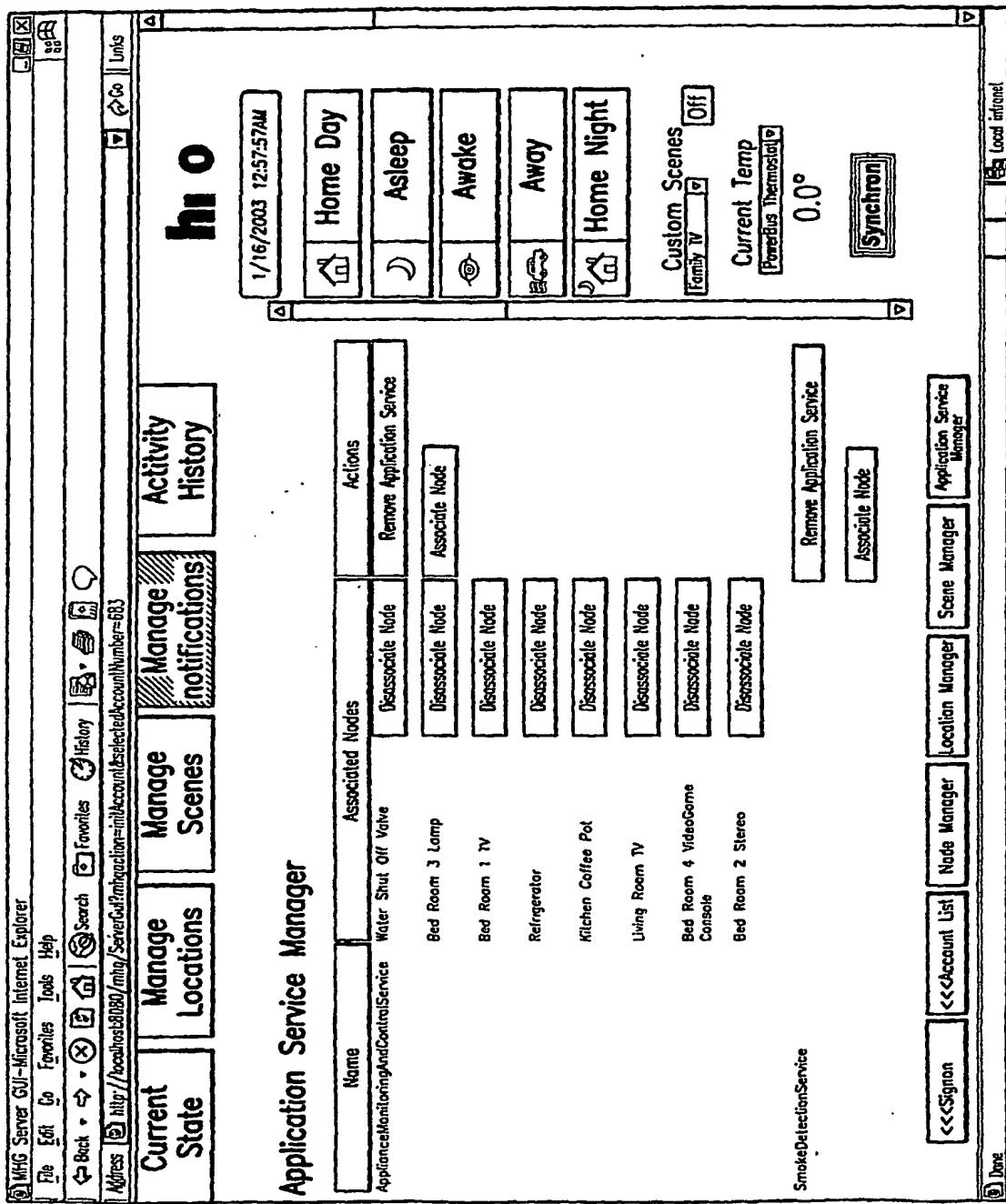


FIG. 22

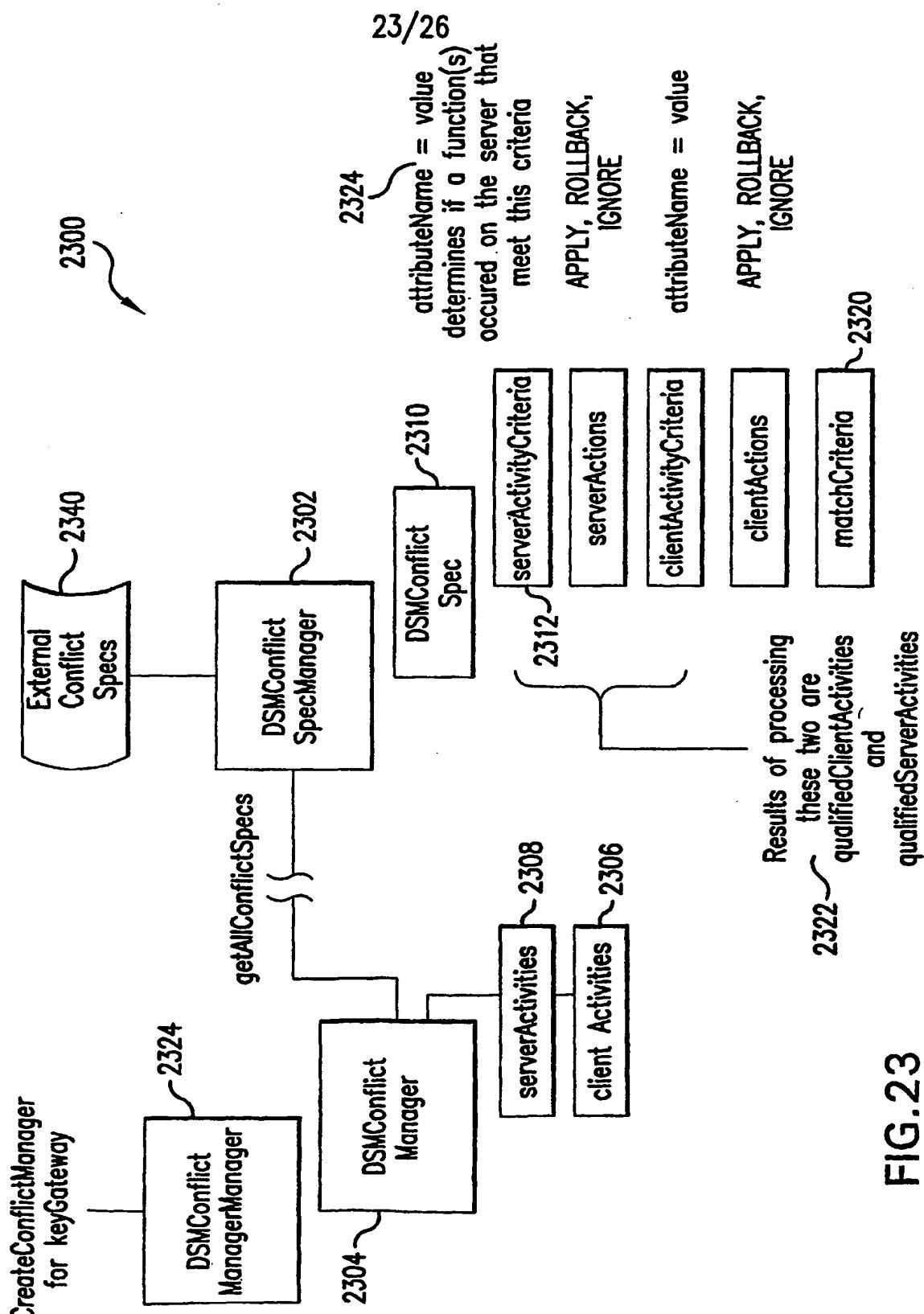


FIG. 23

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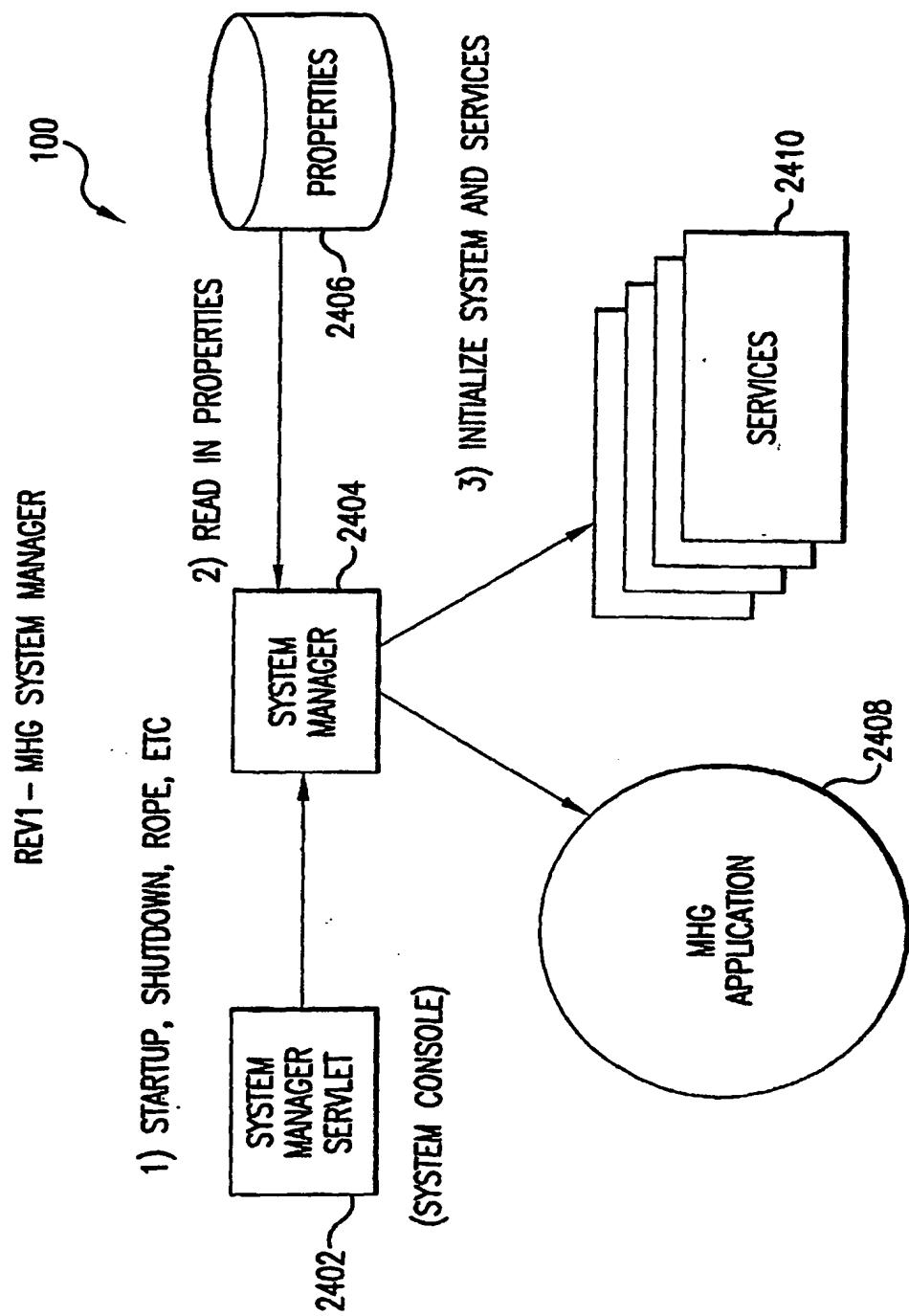


FIG.24

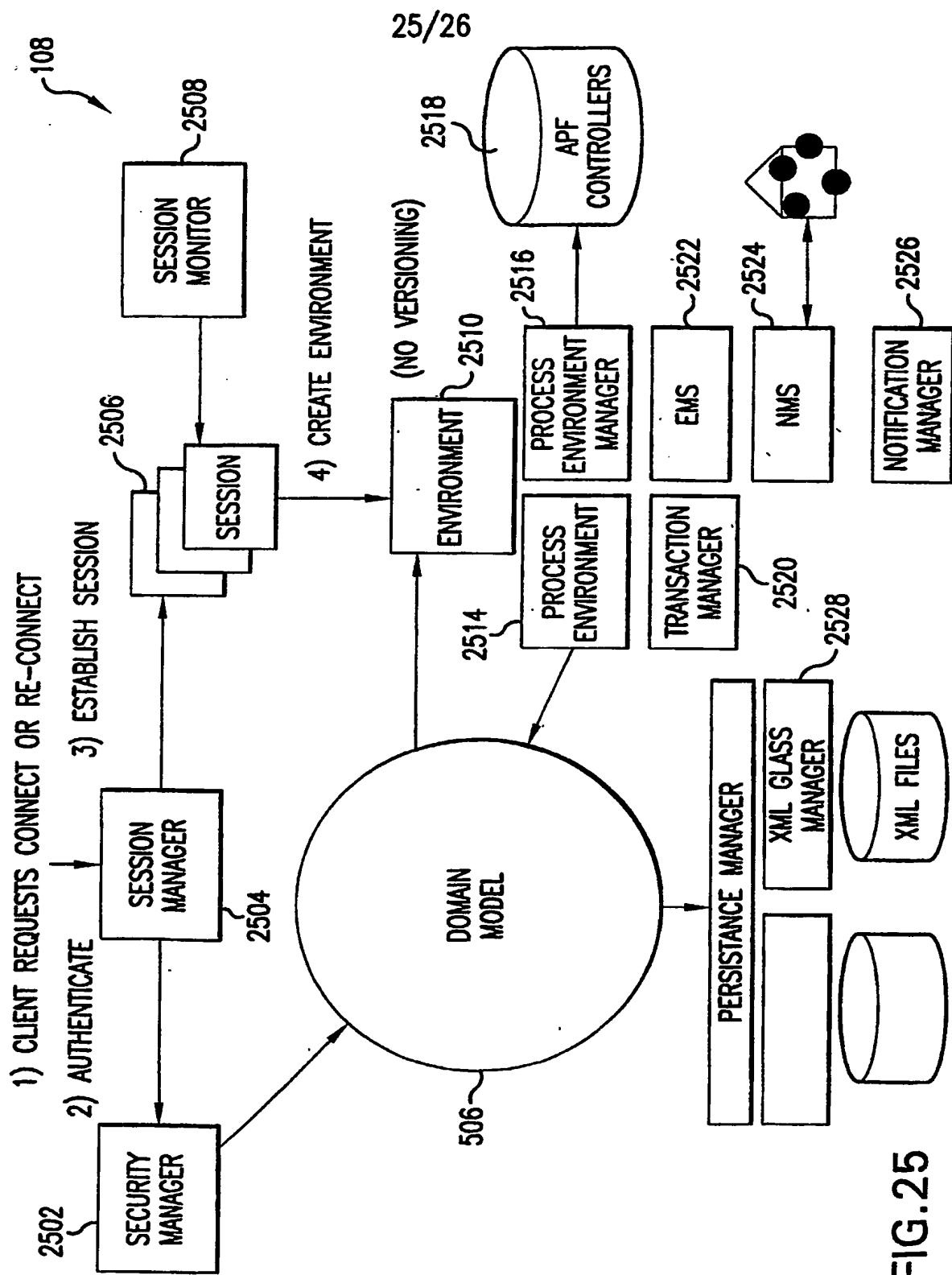


FIG. 25

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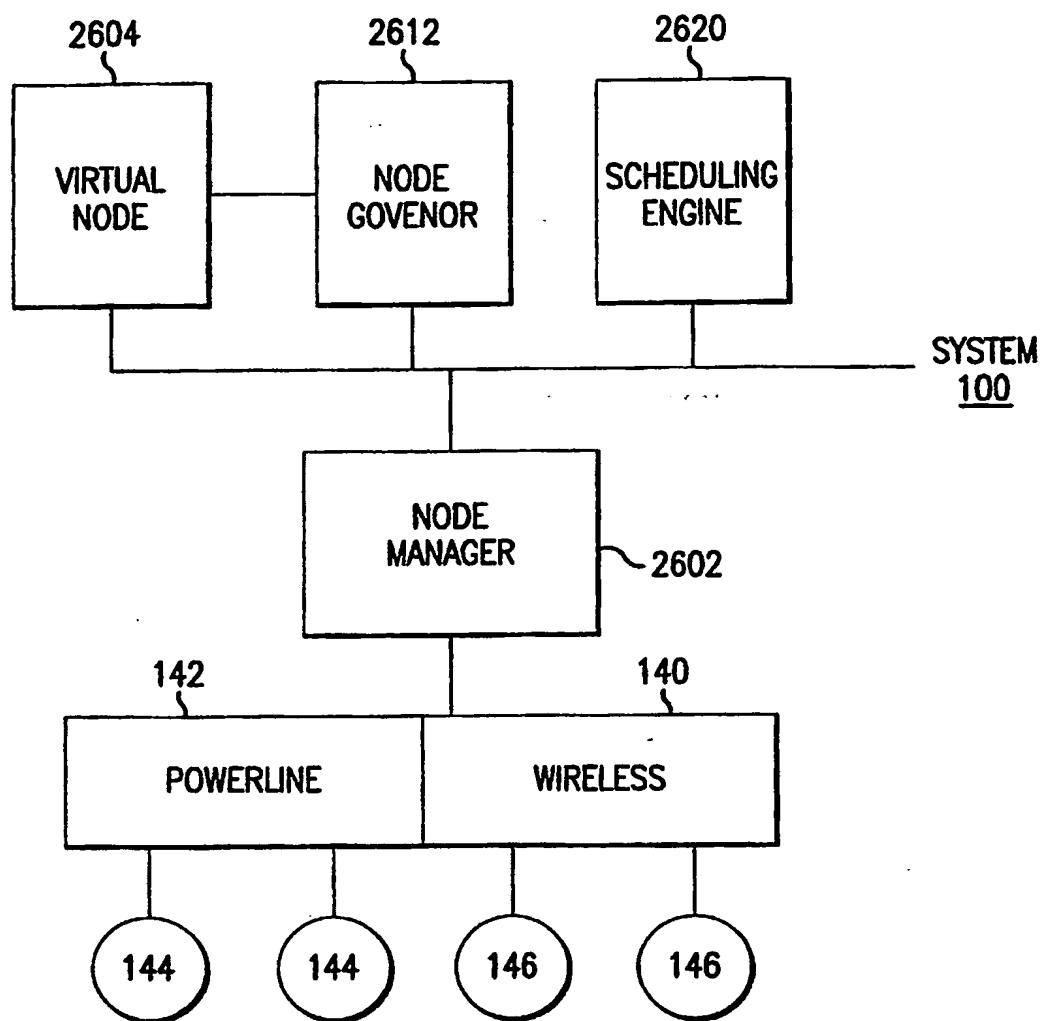


FIG.26